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Enclosure #3 to TS-164646
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DISTRIBUTION OF GROUND RADARS IN THE USSR AND ITS SATELLITES

NOTE: The letter following each type of radar indicates degree of coverage as follows: (C) - Essentially Complete; (S) - Spotty Coverage; (RI) - Rare Inactive; (RA) - Rare Active

GEOGRAPHICAL AREA	EARLY WARNING	HEIGHT FINDING	GUN-LAYING	GROUND CONTROL INTERCEPT
East Germany	KNIFEREST (C) DUMBO (C) CROSS FORK (S) AA4 MARK I (RI) RUS (S) BEE HOUSE (RA) AA4 MARK IV (RI)	ROCKCAKE (RA)	FIRE CAN (C) WHIFF (S) LONG TROUGH (RI) GL MARK II (RI) AA3 MARK I (RI)	TOKEN (C)
Hungary	KNIFEREST (C) DUMBO (C) CROSS FORK (C) RUS (RA) TPS-3 (RI)		WHIFF (S)	TOKEN (C)
Poland	KNIFEREST (C) DUMBO (S) CROSS FORK (RA) TPS-3 (RI)		WHIFF (S) FIRE CAN (RA)	TOKEN (C)
Czechoslovakia	KNIFEREST (C) DUMBO (S) RUS (S) WOOD GAGE (RA)		WHIFF (C) FIRE CAN (RA) DOMEGLASS (RA) MANNHEIM (RI)	TOKEN (C) FREYA (RI)
Romania	RUS (RA) DUMBO (RA) KNIFEREST (RA)		WHIFF (RA)	TOKEN (C)
Bulgaria	DUMBO (C) KNIFEREST (RA) RUS (RA) CROSS FORK (RA)		WHIFF (S) (GIANT (WURZBURG (RI)	TOKEN (C) FREYA (RA)

TOP SECRET

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TOP SECRET

GEOGRAPHICAL AREA	EARLY WARNING	HEIGHT FINDING	GUN-LAYING	GROUND CONTROL INTERCEPT
USSR - Border along Baltic Sea and Eastern Satellites	KNIFEREST (C) CROSS FORK (RA) DUMBO (RA) RUS (RI)	ROCKCAKE (RA) TRESPASS (RI)	GL-MARK II (RI) WHIFF (S) FIRE CAN (RI)	TOKEN (C)
USSR - Central Industrial European Area from Black Sea to Approximately Leningrad (coordinates - 47°60N - 30°57E) and EAST to Urals	KNIFEREST (C) DUMBO (RA) GAGE (S) RUS (RI) CROSS FORK (RA) SCR-682A (RI) AA4 MARK I (RI)	PATTYCAKE (S) TRESPASS (RI)	WHIFF (C) GL-MARK II (RI) FIRE CAN (RA) AA3 MARK I (RA)	TOKEN (C) SCR-627 (RI) FREYA (RI)
USSR - Black Sea Defenses and Western Caucasus	KNIFEREST (C) CROSS FORK (RA) GAGE (RI) RUS (RI) BEE HOUSE (RA) DUMBO (RA)	ROCKCAKE (RA) TRESPASS (RI)	WHIFF (S)	TOKEN (C)
USSR - Caspian Sea Defenses including Eastern Caucasus and Turkmen to 60°E.	KNIFEREST (C) RUS (RA) CROSS FORK (RA) DUMBO (RI)	ROCKCAKE (RA)	GL-MARK II (RI) WHIFF (S)	TOKEN (C)
USSR - Western Half of Siberia	TOKEN, KNIFEREST and/or RUS established at the major population centers with an occasional WHIFF or PATTYCAKE.			
Afghanistan and Border	KNIFEREST (C) RUS (RA) DUMBO (RA) CROSS FORK (RA)		WHIFF (RA)	TOKEN (C)

The Eastern Siberian coastline, including Kamchatka, has spotty early warning protection from KNIFERESTS, DUMBOS and CROSS FORKS. The farthestmost northern TOKEN is found at Okhotsk on the Sea of Okhotsk, TOKEN coverage, which begins at Okhotsk in a spotty fashion, becomes complete at the Isle of Sakhalin and in the Kuriles, running on down to Hong Kong. This TOKEN coverage is supported by a good supply of DUMBOS and KNIFERESTS with spotty CROSS FORK distribution. Within China, Manchuria and Korea, the Japanese Mark I, the American SCR-270 and the Japanese Types 3 and 4 radars back up a rather spotty distribution of TOKENS, DUMBOS and KNIFERESTS. Rare BEE HOUSE and ROCKCAKE installations are found in the Vladivostok region.